ABSTRACT

A method for background replacement. The method takes an input image of one or more frames of video, or a still image, and performs an initial classification of the pixels (14) as foreground or background pixels. The

5   classification is refined (16) using one of several techniques, including anisotropic diffusion or morphological filtering. After the refined classification is completed, a feathering process (18) is used to overlay the foreground pixels from the original image on the pixels of the new background, resulting in a new output image (20).

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